

Publication number: JP9040761
 Publication date: 1997-02-10
 Inventor: MATSUI MASAO; KOSEKI
 HIDEKAZU
 Applicant: SHIMADZU CORP
 Classification:
 - international: C08G63/06; C08G63/08;
 C08G63/78; C08G63/00; (IPC1-7):
 C08G63/06; C08G63/08
 - European:
 Application number: JP19950193900 19950728
 Priority number(s): JP19950193900 19950728

[View INPADOC patent family](#)

[View list of citing documents](#)

[Report a data error here](#)

Abstract of JP9040761

PROBLEM TO BE SOLVED: To obtain a polylactic acid block copolymer excellent in crystallinity, heat resistance, flexibility and toughness by forming a block copolymer consisting of crystalline segments and amorphous segments of lactic acid. SOLUTION: This polylactic acid block copolymer is one in which crystalline segments comprising a substantial homopolymer of poly-L-lactic acid or poly-D- lactic acid are combined with amorphous segments composed mainly of L-lactic acid and D-lactic acid. The heat absorption on melting of the crystal of the copolymer is preferably at least 5J/g. This copolymer is obtained by reacting an amorphous polymer composed mainly of L-lactic acid and D-lactic acid and having a hydroxyl group at least on one end with L-lactide or D-lactide, or reacting a substantial homopolymer or L-lactic acid or D-lactic acid having a hydroxyl group at least on one end with L-lactide, D-lactide and/or LD-lactide.

Data supplied from the [esp@cenet](#) database - Worldwide